

Converting Colors

XYZ(40.4236, 21.5506, 23.1807)

Have a look what the booklet for
XYZ(40.4236, 21.5506, 23.1807)
contains.

XYZ(40.4188, 21.5483, 23.1480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.4188, 21.5483,
23.1480)**

Conversions

Conversions Part 1

Format	Color
Hex	EF2982
RGB	239, 41, 130
RGB Percent	94%, 16%, 51%
CMY	0.0627, 0.8391, 0.4902
CMYK	0.00, 0.83, 0.46, 0.06
HSL	333°, 86%, 55%
HSV	333°, 83%, 94%
XYZ	40.4188, 21.5483, 23.1480
YIQ	110.3480, 89.4390, 69.6550

Conversions

Conversions Part 2

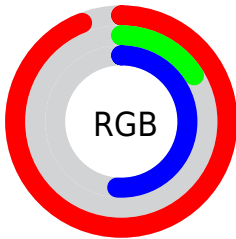
Format	Color
R_{YB}	239, 41, 130
Decimal	15673730
CIE _{Lab}	53.54, 76.24, 0.54
CIE _{LCh}	54, 76.239, 0.404
Yxy	21.5483, 0.4749, 0.2532
Android (android.graphics.Color)	4293863810 (0xFFEF2982)
YUV	110.3480, 9.6884, 112.8278
Hunter-Lab	46.4201, 74.1877, 2.9284

Details

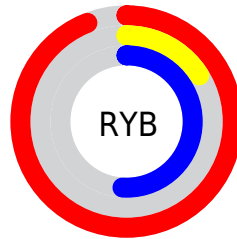
The XYZ color **40.4188, 21.5483, 23.1480** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.2881, 64.4072, 39.3283**, and the grayscale version is **14.8785, 15.6533, 17.0465**.

A 20% lighter version of the original color is **55.3632, 35.8308, 48.7978**, and **19.6167, 9.9412, 8.6695** is the 20% darker color. If you saturate the color by 10%, you get **39.0004, 20.0359, 18.5927**, and if you desaturate by 10%, it is **42.4521, 24.1099, 28.4658**.

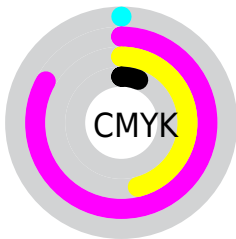
Distribution



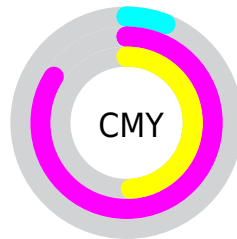
- Red (94%)
- Green (16%)
- Blue (51%)



- Red (94%)
- Yellow (16%)
- Blue (51%)



- Cyan (0%)
- Magenta (83%)
- Yellow (46%)
- Black (6%)



- Cyan (6%)
- Magenta (84%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4188, 21.5483, 23.1480 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.4188, 21.5483, 23.1480 by changing the saturation by 10% instead.

 40.4188, 21.5483,
23.1480


 40.4188, 21.5483,
23.1480


338.9898,
260.1782, 281.6308


 28.0509, 13.5254,
14.4965


 75.0811, 45.9983,
49.5625


 18.5047, 7.7913,
8.3241


 98.1062, 63.1941,
68.1626


 11.4148, 3.9617,
4.2123


 125.4145, 84.2164,
90.9159

 6.4159, 1.6522,
1.7425

 157.3712,
109.4496, 118.2411

 3.1426, 0.3924,
0.3896

 194.3417,
139.2779, 150.5566

 1.2296, 0.0000,
0.0000

236.6914,

 0.1296, 0.0000,

174.0859, 188.2811

0.0000

284.7857,
214.2578, 231.8329

■ 0.0000, 0.0000,
0.0000

■ 40.4188, 21.5483,
23.1480

■ 40.4188, 21.5483,
23.1480

■ 39.0004, 20.0359,
18.5927

■ 42.4521, 24.1099,
28.4658


■ 38.2724, 19.4210,
15.7568


■ 45.1814, 27.8763,
34.5926


■ 48.6764, 32.9806,
41.5707

■ 52.9971, 39.5373,
49.4381

■ 58.1974, 47.6484,
58.2299

 64.3264, 57.4066,
67.9792

 71.4294, 68.8975,
78.7169

 79.5485, 82.2004,
90.4726

 88.3657, 96.6744,
103.1552

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2958, 21.5483, 53.2330



40.4188, 21.5483, 23.1480



37.1315, 21.5483, 7.3191

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4188, 21.5483, 23.1480



13.5465, 21.5483, 2.1610



13.6921, 21.5483, 87.8586

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.4188, 21.5483, 23.1480



37.2881, 64.4072, 39.3283

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.7434, 21.5483, 54.1832



40.4188, 21.5483, 23.1480



9.6763, 21.5483, 7.5736

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



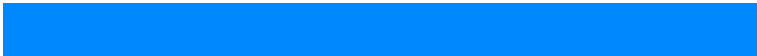
40.4188, 21.5483, 23.1480



20.3709, 21.5483, 1.1333



8.4918, 21.5483, 23.7797



20.5915, 21.5483, 102.7016

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4188, 21.5483, 23.1480



32.1429, 21.5483, 3.1133



8.4918, 21.5483, 23.7797



12.0482, 21.5483, 77.6045

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.4194, 21.5495, 23.1483



72.8307, 63.7929, 76.1169



28.9343, 14.2944, 82.8953



15.0448, 12.7868, 15.4314



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4194, 21.5495, 23.1483



44.4208, 22.5766, 18.5433



37.1773, 20.8714, 4.1686



16.0681, 15.8770, 17.9148



21.2143, 10.7581, 9.0448



1.8143, 0.9148, 1.0128

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4194, 21.5495, 23.1483



44.4208, 22.5766, 18.5433



44.5423, 62.7981, 91.4348



16.0681, 15.8770, 17.9148



21.2143, 10.7581, 9.0448



1.8143, 0.9148, 1.0128

Previews

White Background



This preview shows how the XYZ color 40.4188, 21.5483, 23.1480 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.4188, 21.5483, 23.1480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4188, 21.5483, 23.1480

Background



This preview shows how black text looks on a background with the XYZ color 40.4188, 21.5483, 23.1480.



This preview shows how white text looks on a background with the XYZ color 40.4188, 21.5483,

23.1480.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.4188, 21.5483, 23.1480

Protanopia

22.5097, 21.9188, 46.2244

Deuteranopia

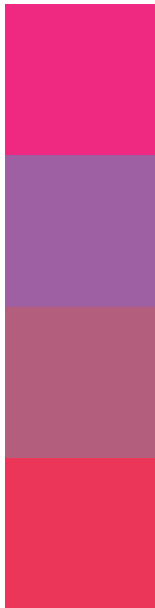
22.1604, 21.7251, 21.1145



Tritanopia

36.9377, 21.4891, 7.2020

Trichromacy



Original Color

40.4188, 21.5483, 23.1480

Protanomaly

24.8050, 18.2435, 36.3964

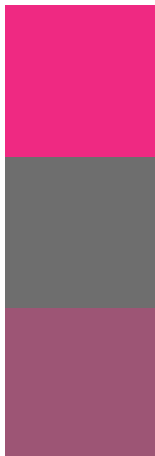
Deuteranomaly

26.2312, 19.0443, 21.3622

Tritanomaly

37.7144, 21.1925, 11.5540

Monochromacy



Original Color

40.4188, 21.5483, 23.1480

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

20.3640, 14.9495, 18.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4188, 21.5483, 23.1480 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 41, 130)` looks like.

```
.text, #text, p{  
    color:rgb(239, 41, 130)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 41, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 41, 130) }
```

Border

The CSS property to change the border of an element to XYZ 40.4188, 21.5483, 23.1480 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 41, 130) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 41, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 41, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 41, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 41, 130);  
box-shadow:4px 4px 4px 4px rgb(239, 41,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4188, 21.5483, 23.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 41, 130) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239, 41,  
130) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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